

## ABSTRACT

A separator for a solid polymer electrolyte type fuel cell wherein  
multipile single cells are laminated and made up of a solid polymer  
electrolyte layer and catalyst electrode layers, gas diffusion electrodes and  
5 separators disposed on either side of the solid polymer electrolyte layer, and  
a fuel cell using the separator. At least a part of the separator to make  
contact with a gas diffusion layer is coated with a coating layer including a  
conducting hard carbon film. As a result, the separator has superior  
10 corrosion resistance and the fuel cell has a minimal internal resistance.